

Comparisons of Job Characteristics

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Building and Construction	4.0	16.9	15.0	<	Expanded education and/or training may be required
Mechanical	6.8	13.9	11.0	<	Expanded education and/or training may be required
Administration and Management	8.4	12.8	11.8	0	Current knowledge level may be sufficient
Mathematics	9.2	12.8	11.2	<	Expanded education and/or training may be required
Design	5.2	10.9	9.9	<	Expanded education and/or training may be required
Engineering and Technology	5.7	10.6	8.4	<	Expanded education and/or training may be required
Public Safety and Security	6.9	10.2	8.9	<	Expanded education and/or training may be required
Personnel and Human Resources	5.6	8.6	4.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Coordination	9.1	12.2	9.4	<<	Extensive development of skills in this area may be required

Management of Personnel Resources	6.9	11.6	6.1	<<	Extensive development of skills in this area may be required
Time Management	8.9	11.2	8.0	<<	Extensive development of skills in this area may be required
Persuasion	7.4	9.6	4.8	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.9	3.8	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	5.6	3.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 39			
Focus Occupation: Cement Masons and Concrete Finishers (47-2051) Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	13.4	9.8	<<	Extensive improvement in abilities may be required
Oral Expression	12.4	13.3	8.9	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	12.1	8.4	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	11.2	8.1	<<	Extensive improvement in abilities may be required
Near Vision	11.1	11.0	11.2	0	Current ability level may be sufficient
Written Comprehension	11.0	10.7	4.8	<<	Extensive improvement in abilities may be required
Written Expression	9.8	10.6	4.2	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	10.4	7.7	<<	Extensive improvement in abilities may be required
Visualization	7.5	9.8	10.2	0	Current ability level may be sufficient
Number Facility	6.3	8.2	5.0	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	7.9	6.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 59
Focus Occupation: Cement Masons and Concrete Finishers (47-2051) Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)		

Work Activities	Exclusivity of Activity
Direct and coordinate activities of workers or staff	3
Perform safety inspections in construction or resource extraction setting	46
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Understand construction specifications	53
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 68

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)

Tools and Technologies	Exclusivity
Building construction machinery and accessories	25
Business function specific software	1
Cleaning equipment	11
Computers	1
Cutting and crimping and punching tools	3
Data management and query software	1
Dispensing tools	6
Earth moving machinery	11
Forming tools	2
Holding and clamping tools	3
Industrial trucks	10
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Masonry and concrete tools	22
Measuring and layout tools	3
Metal bending and forming machinery	17
Power generators	16
Power tools	2
Prying and bending tools	10
Pumps	9
Respiratory protection	6
Rough and finishing tools	5
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.